

Title (en)

GRANULAR PRODUCT OF DRIED MICROORGANISM CELLS AND MANUFACTURING METHOD THEREFOR

Publication

EP 0159891 B1 19891227 (EN)

Application

EP 85302620 A 19850415

Priority

JP 7662284 A 19840418

Abstract (en)

[origin: EP0159891A1] Granular product prepared by fluidizing core material such as succharide in a granulating chamber, spraying melted binding material such as fat to said fluidized core material and concurrently feeding dried viable microorganism cells such as bifidobacterium towards said fluidized core material to form granular product of stratified structure by adhering said microorganism cells on periphery of said core material. Since the product is prevented from permeation of atmospheric oxygen and environmental moisture, cells survival rate of the product is higher than that of the conventional product during prolonged storage period.

IPC 1-7

A61K 35/74; C12N 1/04

IPC 8 full level

A23K 10/12 (2016.01); **A23K 10/20** (2016.01); **A23K 10/30** (2016.01); **A23K 20/00** (2016.01); **A23K 20/147** (2016.01); **A23K 20/158** (2016.01); **A23K 20/163** (2016.01); **A23K 30/18** (2016.01); **A23K 40/30** (2016.01); **A23L 31/00** (2016.01); **A61K 9/50** (2006.01); **A61K 35/66** (2015.01); **A61K 35/74** (2006.01); **A61K 35/745** (2015.01); **C12N 1/04** (2006.01); **C12N 1/06** (2006.01); **C12N 1/20** (2006.01)

CPC (source: EP US)

A61K 9/5078 (2013.01 - EP US); **A61K 35/744** (2013.01 - EP US); **A61K 35/745** (2013.01 - EP US); **C12N 1/04** (2013.01 - EP US)

Cited by

EP2347756A3; EP0619733A4; US5776524A; EP0202409A3; EP0666031A3; EP0268177A3; US5418164A; AU607166B2; US5968569A; AU740761B2; EP0277741A1; US5026560A; FR2984352A1; CN104271731A; RU2612640C2; AU2012351361B2; US8993017B2; US9408399B2; WO2013088045A1; US8535799B2; US9295653B2; KR101124572B1; EP1761130B2

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